

Title (en)

CONTACTOR DEVICE FOR CIRCUIT BREAKER AND CIRCUIT BREAKER USING SAME CONTACTOR DEVICE

Title (de)

SCHÜTZVORRICHTUNG FÜR EINEN SCHUTZSCHALTER UND SCHUTZSCHALTER MIT DIESER SCHÜTZVORRICHTUNG

Title (fr)

DISPOSITIF DE CONTACTEUR POUR DISJONCTEUR ET DISJONCTEUR UTILISANT CE DISPOSITIF CONTACTEUR

Publication

**EP 3447782 A4 20190320 (EN)**

Application

**EP 17786016 A 20170420**

Priority

- JP 2016085668 A 20160422
- JP 2016252259 A 20161227
- JP 2017015829 W 20170420

Abstract (en)

[origin: EP3447782A1] A configuration such that there is an advantage in increasing external force working on an arc, and a shortening of commutation time is realized, is obtained with a simple configuration, and without an increase in size of a device. An arc generating chamber configured of main contactors provided on a fixed side and a movable side, arc contactors provided on the fixed side and the movable side, and a side wall of an arc extinguishing chamber, is such that at least a side face and a bottom face are enclosed by an insulating wall, leaving an opening in a direction facing the arc extinguishing chamber.

IPC 8 full level

**H01H 33/08** (2006.01); **H01H 9/34** (2006.01); **H01H 9/38** (2006.01); **H01H 9/46** (2006.01); **H01H 33/12** (2006.01); **H01H 33/18** (2006.01); **H01H 33/20** (2006.01); **H01H 73/02** (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP)

**H01H 9/346** (2013.01); **H01H 9/38** (2013.01); **H01H 9/46** (2013.01); **H01H 73/18** (2013.01)

Citation (search report)

- [YA] DE 1926693 A1 19701126 - SIEMENS AG
- [YA] EP 1471553 A1 20041027 - MITSUBISHI ELECTRIC CORP [JP]
- [A] US 3086098 A 19630416 - DELEVOY VICTOR [BE], et al
- [E] JP 2018092862 A 20180614 - FUJI ELECTRIC CO LTD
- See references of WO 2017183679A1

Cited by

CN111579984A; CN110047716A; EP3971933A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3447782 A1 20190227**; **EP 3447782 A4 20190320**; **EP 3447782 B1 20230628**; AU 2017253327 A1 20180809; AU 2017253327 B2 20190620; JP 6246448 B1 20171213; JP WO2017183679 A1 20180426; WO 2017183679 A1 20171026

DOCDB simple family (application)

**EP 17786016 A 20170420**; AU 2017253327 A 20170420; JP 2017015829 W 20170420; JP 2017548312 A 20170420